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UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	I-2-0256.2US					
First Inventor	Prabhakar R. Chitrapu					
Title	COGNITION MODELS FOR WIRELESS COMMUNICATION SYSTEMS AND METHOD AND APPARATUS FOR OFTIMAL UTILIZATION OF A RADIO CHANNEL BASED ON COGNITION MODEL DATA					
Everene Mail Lehel No	FV442788196US					

	Express Wall Laber No.							
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450							
1.	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Reader Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS							
- Abstract of the Disclosure 4.	9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other:							
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: 10/305,048								
Prior application information: Examiner Afshar, Kamran Art Unit: 2681 For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS								
— Gastomer Marrison.	OR Correspondence address below							
Name VOLPE AND KOENIG, P.C., DEPT ICC	VOLPE AND KOENIG, P.C., DEPT ICC							
Address								
City	State Zip Code							
	lephone Fax							
Name (Print/Type) John C Don'th Jr. Registration No. (Attorney/Agent) 43,593								
Signature	Date 3 2 2004							

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is by file (and by the USPTO to process) an application (Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (10-03)
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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 1,628.00

Complete if Known					
Application Number	Not Yet Known				
Filing Date	Not Yet Known				
First Named Inventor	Prabhakar R. Chitrapu				
Examiner Name	Not Yet Known				
Art Unit	Not Yet Known				
Attorney Docket No.	I-2-0256.2US				

METHOD OF PAYMENT (check all that apply)			FEE CALCULATION (continued)						
Check Credit card Money Other None		3. ADDITIONAL FEES							
Order Order		Large Entity Small Entity							
Deposit	Account.	00.0425		Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Account Number		09-0435		1051	130	2051	65	Surcharge - late filing fee or oath	
Deposit Account	InterDigital (Communications Corp	ooration	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Name The Director is authorized to: (check all that apply)			1053	130	1053	130	Non-English specification		
Charge fee(s) indicated below Credit any overpayments			1812	2,520	1812	2,520	For filing a request for ex parte reexamination		
Charge any additional fee(s) or any underpayment of fee(s)			1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.			1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
	FEE C	ALCULATION		1251	110	2251	55	Extension for reply within first month	
1. BASIC F				1252	420	2252	210	Extension for reply within second month	
Large Entity	Small Entity			1253	950	2253	475	Extension for reply within third month	
Fee Fee Code (\$)	Fee Fee <u>I</u> Code (\$)	Fee Description	Fee Paid	1254	1,480	2254	740	Extension for reply within fourth month	<u></u>
1001 770	2001 385	Utility filing fee	770.00	1255	2,010	2255	1,005	Extension for reply within fifth month	<u> </u>
1002 340	2002 170	Design filing fee	770.00	1401	330	2401	165	Notice of Appeal	
1003 530	2003 265	Plant filing fee		1402	330	2402	165	Filing a brief in support of an appeal	
1004 770	2004 385	Reissue filing fee		1403	290	2403	145	Request for oral hearing	
1005 160	2005 80	Provisional filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
	l s	UBTOTAL (1) (\$) 7	70.00	1452	110	2452	55	Petition to revive - unavoidable	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE			1453	1,330	2453	665	Petition to revive - unintentional		
Z. EXIKA		Fee from	m	1501	1,330	2501	665	Utility issue fee (or reissue)	
Total Claims	39 - 20	Extra Claims below = 19 x 18.00	Fee Paid =342.00	1502	480	2502	240	Design issue fee	
Independent		90.00		1503	640	2503	320	Plant issue fee	
Claims Multiple Depe		= 6 X 86.00	=516.00	1460	130	1460	130	Petitions to the Commissioner	
1030,00		1807	50	180	7 50	Processing fee under 37 CFR 1.17(q)			
Large Entity Fee Fee	Fee Fee	Fee Description		1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$) 1202 18	Code (\$)	Claims in excess of 20		8021	40	802 ⁻	1 40	Recording each patent assignment per property (times number of properties)	
1202 18	2202 9 2201 43	Independent claims in e	excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290	2203 145	Multiple dependent clai	m, if not paid	1810	770	2810	385	For each additional invention to be	
1204 86	2204 43	** Reissue independen over original patent	t claims	1801	770	2801	385	examined (37 CFR 1.129(b)) Request for Continued Examination (RCE)	
1205 18	2205 9	** Reissue claims in ex- and over original pate	cess of 20 ent	1802	900	1802	900	·	
	Clib		358.00	Other	fee (sp	ecify) _			
SUBTOTAL (2) (\$\\$0.00		*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0							

(Complete (if applicable)) SUBMITTED BY Registration No. Name (Print/Type) John C. Donch Jr. 43.593 Telephone 215-\$68-6400 Attomey/Agent) 2012 2 Signature

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